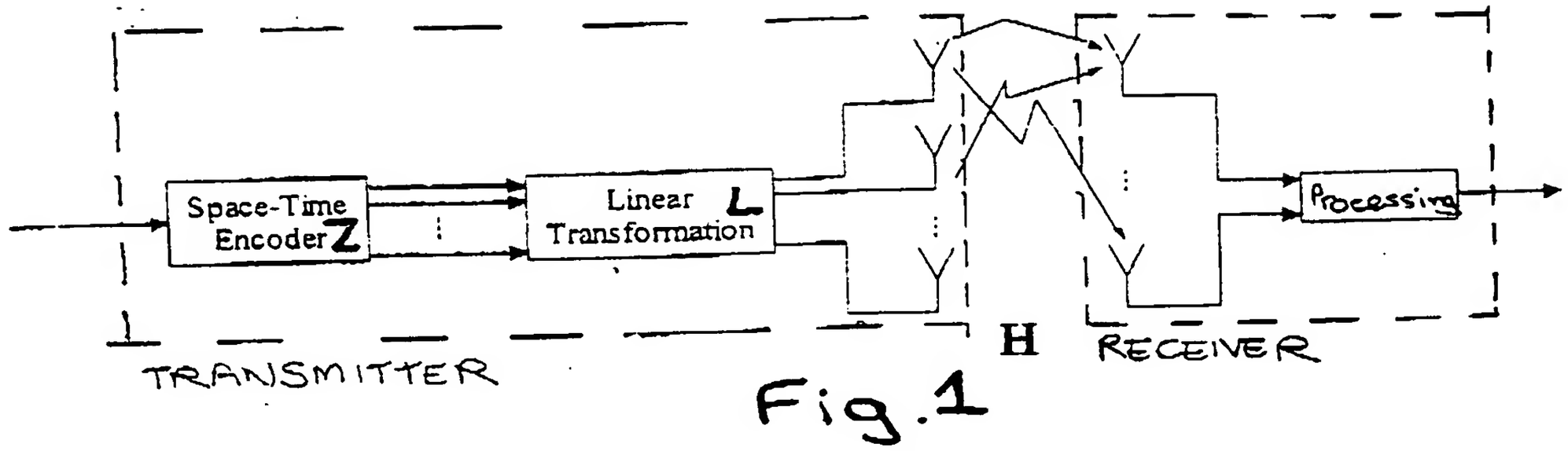
Space-Time Encoder Z
Linear Transformation L
Processing
H
TRANSMITTER
RECEIVER

Fig.1

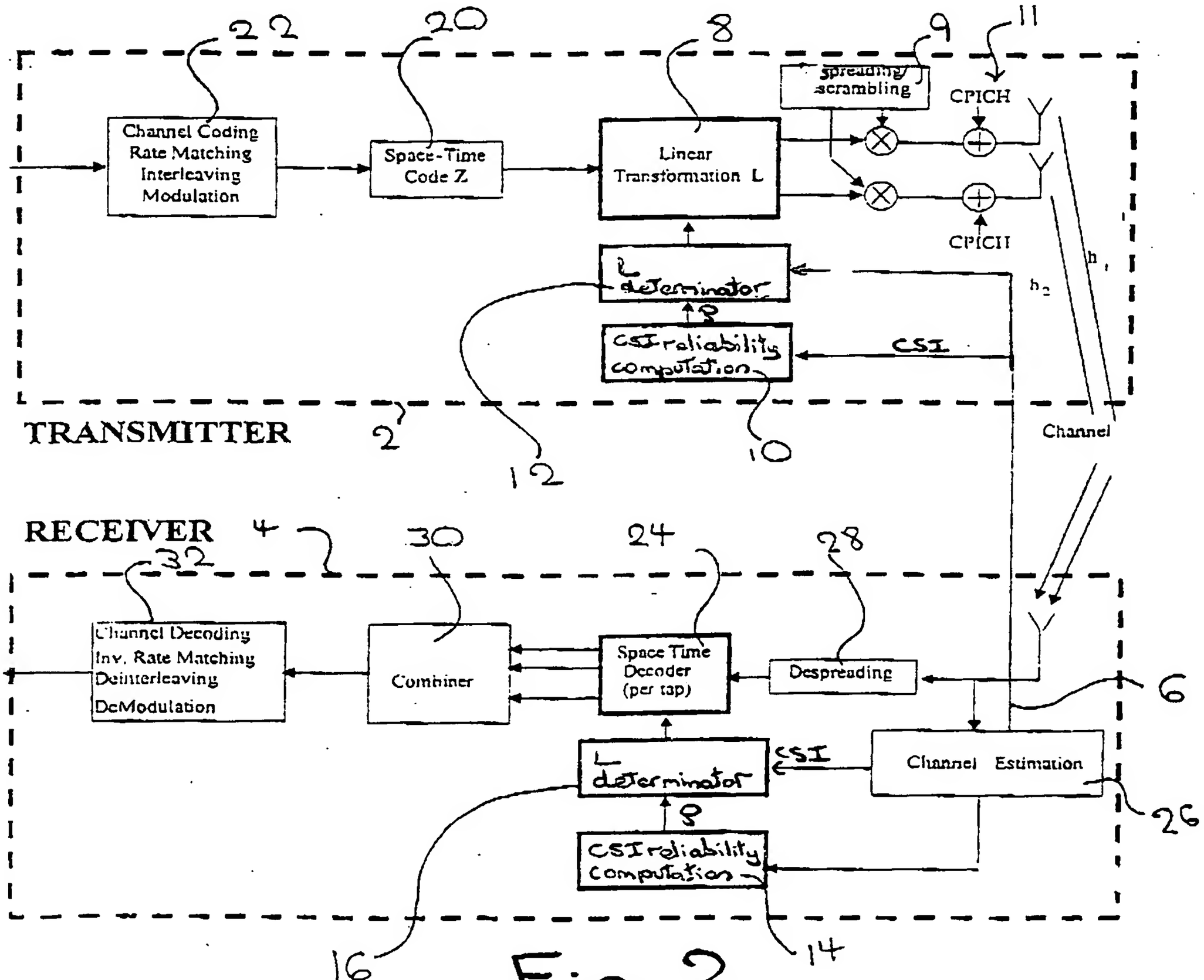
22
20
8
9
11
Channel Coding
Rate Matching
Interleaving
Modulation
Space-Time
Code Z
Linear
Transformation L
spreading/
scrambling
CPICH
CPICH
L determinator
CSI reliability computation
CSI
h1
h2
TRANSMITTER
2
12
10
Channel
RECEIVER
4
32
30
24
28
Channel Decoding
Inv. Rate Matching
Deinterleaving
DeModulation
Combiner
Space Time
Decoder
(per tap)
Despreading
6
L determinator
CSI
Channel Estimation
26
CSI reliability
computation
16
14

Fig.2

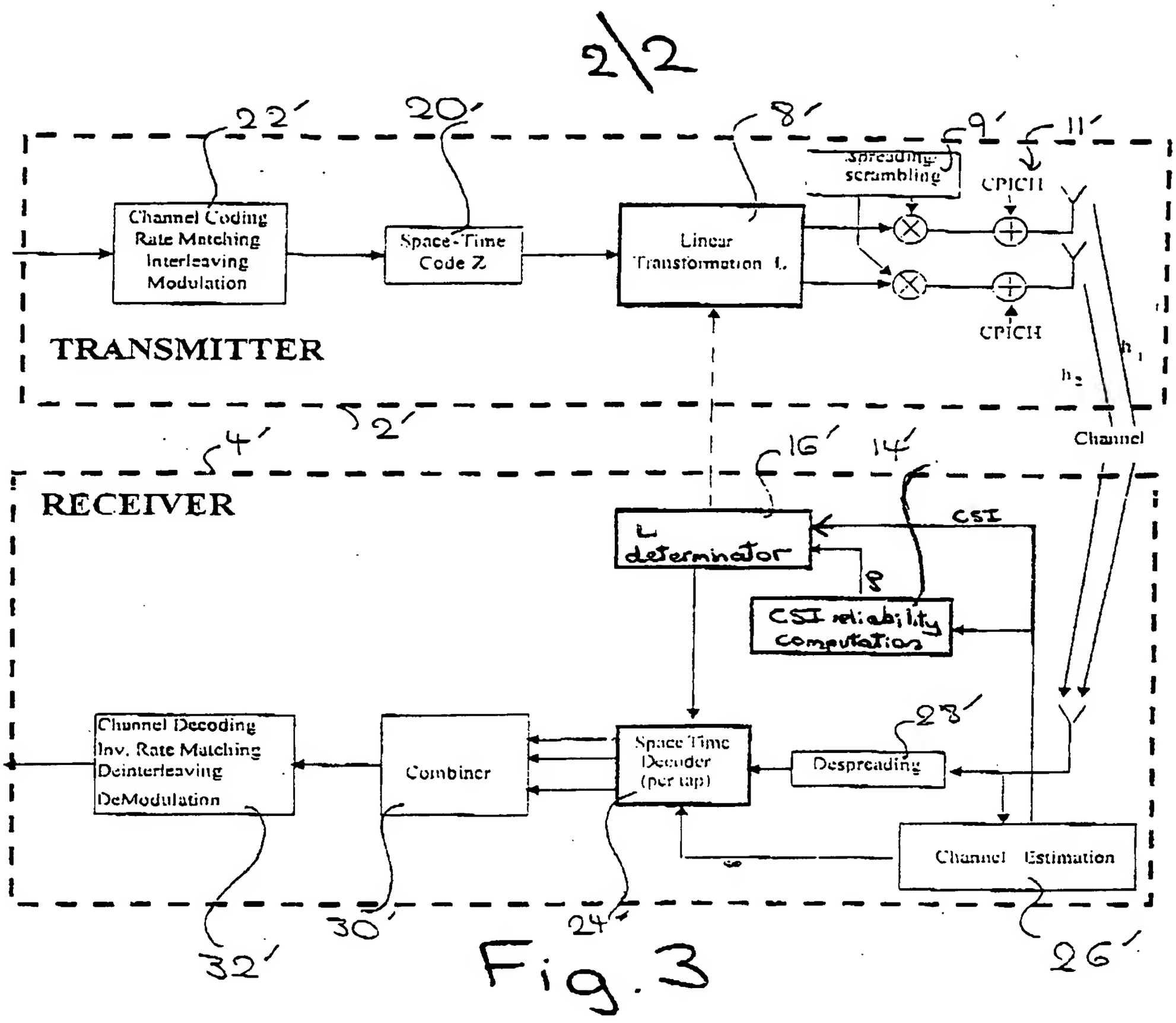
22'
20'
8'
9'
11'
Channel Coding
Rate Matching
Interleaving
Modulation
Space-Time
Code Z
Linear
Transformation L
Spreading/
scrambling
CPICH
CPICH
TRANSMITTER
h_1
h_2
12'
Channel
4'
16'
14'
RECEIVER
L
determinator
CSI
8
CSI reliability
computation
28'
Channel Decoding
Inv. Rate Matching
Deinterleaving
DeModulation
Combiner
Space Time
Decoder
(per tap)
Despreading
Channel Estimation
32'
30'
24'
26'

Fig. 3